

Claim 42, line 4, change "with known sequence" to
--containing predetermined sequences--.

Claim 43, line 4, change "with known sequence" to
--containing predetermined sequences--.

Claim 54, line 1, change "53" to --60, 61 or 62--.

Claim 55, line 1, change "53" to --60, 61 or 62--.

Claim 57, line 1, change "53" to --60 or 61--.

Claim 58, line 1, change "53" to --60, 61 or 62--.

Claim 59, line 1, change "53" to --60, 61 or 62--.

Please add the following new claims.

--60. A method of analyzing a polynucleotide, by the use of apparatus comprising a support segregated into at least two defined cells each cell having attached thereto oligonucleotides containing predetermined sequences, the oligonucleotides of each cell being attached to the surface of the support through a terminal nucleotide, where the sequence of the oligonucleotides of a first cell is different than the sequence of the oligonucleotides of a second cell,

which method comprises applying the polynucleotide under hybridization conditions to the support and observing the location of hybridized polynucleotide on the support.

61. A method of analyzing a polynucleotide, by the use of apparatus comprising a support segregated into at least two defined cells, each cell having attached thereto oligonucleotides containing predetermined sequences, the oligonucleotides of each